

Recovery Plan Action Status

Plan Name: South Florida Multi-Species Recovery Plan (68 spp.)

Plan Status: Final

Plan Date: 18-May-99

Lead Agency: USFWS

Lead Office: South Florida Ecological Services Field Office

**(772)
562-3909)**

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Garber's spurge (Chamaesyce garberi)	1	chga-h1.1	Protect pine rockland habitat of Garber's spurge (Chamaesyce garberi).	Ongoing Current	FY 2000 - FY 2004		South Florida counties	Work type not yet selected	Labor type not yet selected	Cost will vary depending on specific needs. Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	2	chga-h1.2	Protect or acquire privately owned sites.	Partially Complete	FY 2006		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, South Florida counties	Work type not yet selected	Labor type not yet selected	Cost dependent upon specific site and amount of land acquired. Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	1	chga-h1.3	Develop and implement best management practices for pine rocklands.	Ongoing Current	FY 2000 - FY 2004		Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Best management practices have been developed for Miami-Dade County (Miami-Dade County Natural Areas Management Working Group 2004). Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	1	chga-h1.4	Continue to conduct prescribed burns.	Ongoing Current	FY 2000 - FY 2004		Department of Environmental Resources Management, Florida Division of Forestry, South Florida counties	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 1.0/acre); Total cost dependent upon number of acres burned. Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	1	chga-h1.5.1	Eliminate human caused degradation.	Not Started			South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	1	chga-h1.5.2	Control invasive plant species, particularly exotics.	Ongoing Current	FY 2000 - FY 2004		South Florida counties	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 1.0/acre); Total cost dependent upon number of acres infested with exotics. Action lead(s): FWS

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Garber's spurge (Chamaesyce garberi)	1	chga-h2.1	Eliminate physical degradation of habitat and restore to optimal conditions.	Not Started			South Florida counties	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 0.5/acre); Total cost dependent upon number of acres restored. Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	1	chga-h2.2	Continue to refine management practices for pine rocklands.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	1	chga-h2.3	Continue to conduct prescribed burns.	Not Started			Department of Environmental Resources Management, Florida Division of Forestry, South Florida counties	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 1.0/acre); Total cost dependent upon number of acres burned. Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	1	chga-h3.1	Continue to investigate and refine the habitat needs of each species.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	1	chga-h3.2	Investigate fire history and incorporate into management strategies.	Not Started			Department of Environmental Resources Management, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	2	chga-h3.3	Monitor sites with C. garberi to determine success.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Garber's spurge (Chamaesyce garberi)	1	chga-h3.4.1	Assess the availability of GIS data.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	2	chga-s1.1	Inventory known populations.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	1	chga-s1.2	Resurvey historic locations.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS

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Garber's spurge (Chamaesyce garberi)	1	chga-s1.3	Map distribution of known populations and suitable habitat.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, DERM
Garber's spurge (Chamaesyce garberi)	2	chga-s2.1.1	Continue work with ex situ propagation and seed banks.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	2	chga-s2.1.2	Identify potential reintroduction sites and reintroduce C. garberi, where appropriate.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	2	chga-s2.1.3	Monitor the experimental outplantings.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	3	chga-s2.2.1	Initiate section 7 consultation when applicable.	Ongoing Current	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Department of Agriculture, U.S. Geological Survey, Biological Resources Division, U.S. Geological Survey, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Natural Resources Conservation Service , United States Coast Guard , U.S. Air Force	Work type not yet selected	Labor type not yet selected	Cost included in standard operating procedures of Federal agency's budget. Action lead(s): All Federal agencies
Garber's spurge (Chamaesyce garberi)	3	chga-s2.2.2	Encourage implementation of management plans.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Cost dependent upon the management plan implemented. Action lead(s): FWS
Garber's spurge (Chamaesyce garberi)	3	chga-s2.2.3	Continue to enforce take and trade prohibitions.	Ongoing Current	Prior to FY 1995		Florida Department of Agriculture and Consumer Services/Division of Plant Industry	Work type not yet selected	Labor type not yet selected	Cost included in standard operating budgets of participating agencies. Action lead(s): FWS

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Garber's spurge (Chamaesyce garberi)	1	chga-s3.1	Investigate the reproductive biology of C. garberi.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Garber's spurge (Chamaesyce garberi)	1	chga-s3.2	Identify demographics and gene flow in C. garberi.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Garber's spurge (Chamaesyce garberi)	2	chga-s3.3	Study the response of C. garberi to habitat management treatments.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Garber's spurge (Chamaesyce garberi)	3	chga-s3.4	Characterize the habitat and identify suitable sites for experimental outplantings.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Garber's spurge (Chamaesyce garberi)	1	chga-s4.1	Collect existing and historical data and place in a central location.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Garber's spurge (Chamaesyce garberi)	2	chga-s4.2	Convene a meeting of all researchers.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Garber's spurge (Chamaesyce garberi)	2	chga-s4.4	Monitor reintroduction success and modify procedures as necessary.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Garber's spurge (Chamaesyce garberi)	1	chga-s5.0	Continue implementation of the fire education program and modify as necessary any fire management education program that has been developed.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS